Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1   1-47. (Cancelled).

1   48.   (New) A method implemented by a secondary server to maintain a secondary

2   directory, comprising:

3   receiving notification from a primary server that a particular update has been made

4   by the primary server to a primary directory;

5   in response to the notification, making the particular update to the secondary

6   directory such that the second directory mirrors the primary directory;

7   receiving a request, from a client, to make the particular update to the secondary

8   directory, wherein the client sends the request because the client has not

9   received confirmation that the primary server has made the particular update

10   to the primary directory;

11   determining that the particular update cannot be made to the secondary directory

12   because the particular update has already been made to the secondary

13   directory as a result of receiving the notification from the primary server; and

14   in response to the determination that the particular update has already been made to

15   the secondary directory, the secondary server sending an indication to the

16   client that the particular update was successfully made to the secondary

17   directory.

1   49.   (New) The method of Claim 48, wherein said particular update involves an add

2   operation.

1   50.   (New) The method of Claim 48, wherein said particular update involves a delete

2   operation.

1   51.   (New) The method of Claim 48, wherein said particular update involves adding a

2   rename operation.

1   52.   (New) A machine-readable medium carrying one or more sequences of instructions

2   for maintaining a secondary directory, wherein execution of the one or more

3   sequences of instructions by one or more processors of a secondary server causes

4   the one or more processors to perform the steps of:

5   receiving notification from a primary server that a particular update has been made

6   by the primary server to a primary directory;

7   in response to the notification, making the particular update to the secondary

8   directory such that the second directory mirrors the primary directory;

9   receiving a request, from a client, to make the particular update to the secondary

10   directory, wherein the client sends the request because the client has not

11   received confirmation that the primary server has made the particular update

12   to the primary directory;

13   determining that the particular update cannot be made to the secondary directory

14   because the particular update has already been made to the secondary

15   directory as a result of receiving the notification from the primary server; and

16   in response to the determination that the particular update has already been made to

17   the secondary directory, the secondary server sending an indication to the

18   client that the particular update was successfully made to the secondary

19   directory.

1   53.   (New) The machine-readable medium of Claim 52, wherein said particular update

2   involves an add operation.

1   54.   (New) The machine-readable medium of Claim 52, wherein said particular update

2   involves a delete operation.

1   55.   (New) The machine-readable medium of Claim 52, wherein said particular update

2   involves adding a rename operation.

1   56.   (New) An apparatus for maintaining a secondary directory, comprising:

2   a module for receiving notification from a primary server that a particular update has

3   been made by the primary server to a primary directory;

4   a module for making the particular update to a secondary directory such that the

5   second directory mirrors the primary directory in response to receiving the

6   notification;

7   a module for receiving a request, from a client, to make the particular update to the

8   secondary directory, wherein the client sends the request because the client

9   has not received confirmation that the primary server has made the particular

10   update to the primary directory;

11   a module for determining that the particular update cannot be made to the secondary

12   directory because the particular update has already been made to the

13   secondary directory as a result of receiving the notification from the primary

14   server; and

15   a module for sending, from the secondary server, an indication to the client that the

16   particular update was successfully made to the secondary directory in

17   response to determining that the particular update has already been made to

18   the secondary directory.

1   57.   (New) The apparatus of Claim 56, wherein said particular update involves an add

2   operation.

1   58.   (New) The apparatus of Claim 56, wherein said particular update involves a delete

2   operation.

1   59.   (New) The apparatus of Claim 56, wherein said particular update involves adding a

2   rename operation.